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SFUND RECORDS CTR
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May 21, 2001

Lockheed Martin Corporation
West Coast Project Office
2550 N. Hollywood Way, 3rd Floor
Burbank, California 91505

Attention: Mr. Gene Matsushita
Project Supervisor

Telephone

562.951.2000

Subject: Sampling of Existing Wells
Comprehensive Sampling Program
Crafton-Redlands Plume Project

Facsimile

562.951.2100

Dear Mr. Matsushita:

This report summarizes the analytical results from the Comprehensive Sampling Program. The Comprehensive Sampling Program began on July 27, 2000 and was completed on November 13, 2000.

A total of 164 wells and well-ports were sampled, including: active and inactive purveyor wells, active and inactive agricultural wells, standard single completion monitoring wells, and multi-port monitoring wells. A list of wells sampled under the Comprehensive Sampling Program is provided in Table 1 and shown on Figure 1. Table 1 also indicates the analytes tested for each sample point.

The October Water Supply Contingency Plan (WSCP) sampling results are also included in this report. The WSCP program includes 32 wells and 6 water system pipeline sampling points. The WSCP sample points are sampled for volatile organic compounds (VOCs) and/or perchlorate either on a monthly, semimonthly or quarterly basis.

The data from the Comprehensive Sampling have been used to update the TCE and perchlorate plume locations, as depicted on Figures 2 and 3, respectively.



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METHODOLOGY

A summary of the procedures and protocols that were used during the comprehensive sampling are outlined below and detailed in the referenced documents. Groundwater samples were collected in accordance with the State of California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) Well Investigation Program (WIP) standards.

- A groundwater sample was collected when field parameters were stable and/or a minimum of three casing volumes of groundwater had been removed from the well. Field parameter measurements of pH, specific conductivity, temperature and turbidity were recorded. For the Westbay multi-port wells, the samples were collected using a Westbay sampling tool-- only one set of field parameter data was obtained for these samples.
- Groundwater was sampled from active production wells through the sample ports located at or near the well head. Samples from inactive wells and monitoring wells were collected using a low-flow purge pump. Groundwater samples from multi-port wells were collected with specialized equipment that fit into each sampling port.
- Samples were labeled and stored at approximately 4°C in insulated coolers with containerized ice pending transfer to the project laboratory. A minimum of 10 percent of the total samples obtained were collected as QA/QC samples, consisting of duplicates, trip blanks, matrix spike/matrix spike duplicate (MS/MSD), and equipment blanks where appropriate. A total of 20 duplicate samples were collected, and three equipment blanks were collected.
- All field data were recorded on appropriate field forms including Purging/Sampling Forms and Westbay Instrument field forms. Other field-related data not recorded on the Purging/Sampling Forms were recorded in a field notebook. Log entries in the field notebook were completed in accordance with WIP procedures. The field forms are provided as Attachment A and are available upon request.
- All collected samples were submitted under chain of custody to Del Mar Analytical in Irvine, California. Del Mar analyzed submitted samples for VOCs, perchlorate and arsenic. The sample from one monitoring well, LMP-3, was also analyzed for general minerals. A portion of the sample collected from LMP-3 was submitted under chain of custody to Geochron Laboratories in Cambridge, Massachusetts for analysis of tritium, oxygen-18 and deuterium.

RESULTS

The analytical results for the Comprehensive Sampling Event for TCE, perchlorate, and arsenic are shown on Figures 2, 3, and 4, respectively, and are also presented on Table 2. The analytical results for general minerals and for isotopes (tritium, oxygen-18 and deuterium) are presented in Table 3. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B. Attachment B is available upon request.

A total of 94 wells and 6 water system sampling points (pipelines and mixing points) were sampled as part of the Comprehensive Sampling Program. Thirteen of the wells were multi-port wells monitoring depth-discrete zones, therefore a total of 164 samples were collected.

TCE concentrations ranged from not detected in 104 sample locations, to 27 micrograms per liter ($\mu\text{g/L}$) in LMW-1, Port 4 (285' bgs), a multi-port monitoring well (Table 2, Figure 2).

Perchlorate concentrations ranged from not detected in 69 sample locations, to 87 $\mu\text{g/L}$ in LMW-1, Port 7 (480' bgs), a multi-port monitoring well (Table 2, Figure 3).

Arsenic concentrations ranged from not detected in 89 sample locations, to 42 $\mu\text{g/L}$ in MLW-4, Zone 2 (311' bgs), a multi-port monitoring well (Table 2, Figure 4).

Based on the findings of the Comprehensive Sampling Program, the TCE and perchlorate plume maps have been updated and are included on Figures 2 and 3, respectively.

CLOSING

Earth Tech greatly appreciates being of continued service to Lockheed Martin Corporation on this project. Should you have any questions or comments, please do not hesitate to call.

Sincerely,
Earth Tech



Eric Peterson, P.E.
Program Director



Matthew Werner, R.G., C.E.G., C.H.
Project Manager

TABLES

TABLE 1
COMPREHENSIVE SAMPLING PROGRAM
SAMPLE IDENTIFICATIONS

Well Number	Well Name	Sample Date	Sample Time	Sample Number Identification	Analyzed for VOCs	Analyzed for Perchlorate	Analyzed for Arsenic
ACTIVE PURVEYOR WELLS							
City of Loma Linda							
3105	Mountain View #3	10/3/00	9:25	GW-10-19	YES	YES	YES
3171	Mountain View #4	10/3/00	10:25	GW-10-22	YES	YES	YES
693	Richardson #1	10/3/00	9:55	GW-10-20	YES	YES	YES
693	Richardson #1 (Duplicate)	10/3/00	10:00	GW-10-21	YES	YES	YES
707	Richardson #3	10/3/00	11:10	GW-10-23	YES	YES	YES
3132	Richardson #4	10/3/00	11:35	GW-10-24	YES	YES	YES
Mountain View Power (Formerly Southern California Edison)							
554	SCE #2 (AUX)	10/3/00	14:55	GW-10-31	YES	YES	YES
Loma Linda University							
267	LL Univ Anderson #2	8/2/00	11:00	PCS-18	YES	NO	NO
717	LL Univ Anderson #3	8/2/00	11:35	PCS-19	YES	NO	NO
267	LL Univ Anderson #3	10/3/00	13:50	GW-10-28	NO	YES	YES
717	LL Univ Anderson #2	10/3/00	14:05	GW-10-29	NO	YES	YES
717	LL Univ Anderson #3 (Duplicate)	10/3/00	14:10	GW-10-30	NO	YES	YES
City of Riverside (Gage System)							
252	Gage #26-1	10/2/00	13:10	GW-10-8	YES	YES	YES
258	Gage #27-1	10/2/00	14:30	GW-10-11	YES	YES	YES
260	Gage #29-1	10/2/00	14:55	GW-10-12	YES	YES	YES
219	Gage #29-2	10/2/00	15:20	GW-10-13	YES	YES	YES
220	Gage #29-3	10/2/00	12:05	GW-10-5	YES	YES	YES
220	Gage #29-3 (Duplicate)	10/2/00	12:10	GW-10-6	YES	YES	YES
253	Gage #51-1	10/2/00	13:30	GW-10-9	YES	YES	YES
216	Gage #56-1	10/2/00	10:20	GW-10-1	YES	YES	YES
257	Gage #66-1	10/2/00	14:00	GW-10-10	YES	YES	YES
644	Gage #92-1	10/2/00	11:40	GW-10-4	YES	YES	YES
641	Gage #92-2	10/2/00	11:10	GW-10-3	YES	YES	YES
642	Gage #92-3	10/2/00	10:45	GW-10-2	YES	YES	YES
3091	Gage #98-1	10/2/00	12:45	GW-10-7	YES	YES	YES
645	Gage 6 (New)	10/2/00	9:40	PCS-136	YES	YES	YES
City of Riverside (Waterman System)							
273	Hunt #6	7/28/00	10:40	PCS-11	YES	NO	NO
271	Hunt #10	7/28/00	10:20	PCS-10	YES	NO	NO
272	Hunt #11	7/28/00	10:55	PCS-12	YES	NO	NO
273	Hunt #6	10/3/00	8:15	GW-10-17	NO	YES	YES
271	Hunt #10	10/3/00	8:40	GW-10-18	NO	YES	YES
272	Hunt #11	10/3/00	8:00	GW-10-16	NO	YES	YES
224	RIV Raub #3	8/3/00	11:45	PCS-21	YES	YES	NO
224	RIV Raub #3 (Duplicate)	8/3/00	11:50	PCS-22	YES	YES	NO
255	RIV Raub #4	8/3/00	10:58	PCS-20	YES	YES	NO
222	RIV Raub #5	7/28/00	14:35	PCS-15	YES	YES	NO
666	RIV Raub #6	7/28/00	14:05	PCS-14	YES	YES	NO
665	RIV Raub #8	7/28/00	13:30	PCS-13	YES	YES	NO
249	RIV Warren 1 (Replaces Warren 2)	10/26/00	8:50	PCS-159	YES	YES	YES
247	RIV Warren 4 (Replaces Warren 3)	9/25/00	13:00	PCS-126	YES	YES	YES
Riverside Highland Water Company Wells							
1354	RHWC #2	9/14/00	14:50	PCS-69	YES	YES	YES
383	RHWC River & Highgrove 18	9/14/00	14:10	PCS-67	YES	YES	YES
1361	RHWC Flow #5	9/14/00	14:30	PCS-68	YES	YES	YES
City of Redlands							
542	COR Church St	7/27/00	11:40	PCS-2	YES	NO	NO
542	COR Church St	10/2/00	17:45	GW-10-15	NO	YES	YES
535	COR Mentone Acres	7/27/00	11:05	PCS-1	YES	NO	NO
29	COR Orange St	7/27/00	12:15	PCS-3	YES	NO	NO
29	COR Orange St	10/2/00	17:25	GW-10-14	NO	YES	YES
74	COR Rees	10/3/00	15:50	GW-10-32	YES	YES	YES
65	COR #31-A	7/28/00	16:05	PCS-16	YES	YES	NO
65	COR #31-A (Duplicate)	7/28/00	16:10	PCS-17	YES	YES	NO
65	COR #31-A (Resample)	9/5/00	16:50	PCS-25	YES	YES	NO
265	COR #34	7/28/00	9:45	PCS-9	YES	NO	NO
2673	COR #38	8/3/00	12:40	PCS-23	YES	NO	NO
2673	COR #38	10/3/00	13:10	GW-10-27	NO	YES	YES
81	COR #41	7/27/00	16:45	PCS-8	YES	YES	NO
81	COR #41 (Resample)	9/5/00	12:35	PCS-24	YES	NO	NO
12	COR Agate #1	7/27/00	13:50	PCS-4	YES	YES	NO
9	COR Agate #2	7/27/00	15:15	PCS-6	YES	YES	NO
9	COR Agate #2 (Duplicate)	7/27/00	15:20	PCS-7	YES	YES	NO
14	COR Madeira	7/27/00	14:30	PCS-5	YES	NO	NO

TABLE 1
 COMPREHENSIVE SAMPLING PROGRAM
 SAMPLE IDENTIFICATIONS

Well Number	Well Name	Sample Date	Sample Time	Sample Number Identification	Analyzed for VOCs	Analyzed for Perchlorate	Analyzed for Arsenic
ACTIVE PURVEYOR WELLS							
Other Water Supply Wells							
3017	San Bernardino Century	11/2/00	14:25	PCS-162	YES	YES	YES
3174	V. A. Hospital	10/5/00	13:18	PCS-141	YES	YES	YES
PURVEYOR WATER SYSTEM SAMPLING POINTS							
City of Loma Linda Water System Sampling Points							
2967	Mountain View Blend - Lawton	10/3/00	12:05	GW-10-25	YES	YES	YES
2968	Richardson Blend	10/3/00	12:30	GW-10-26	YES	YES	YES
City of Riverside Water System Sampling Points							
2946	Iowa Booster (Waterman)	10/3/00	16:35	GW-10-33	YES	YES	YES
2947	Gage Delivery (Gage)	10/3/00	17:00	GW-10-34	YES	YES	YES
2947	Gage Delivery (Gage) Duplicate	10/3/00	17:05	GW-10-35	YES	YES	YES
2948	7th & Chicago (Reservoir)	10/3/00	17:40	GW-10-36	YES	YES	YES
3018	Gage Arlington	10/3/00	18:00	GW-10-37	NO	YES	YES
ACTIVE AGRICULTURAL PRODUCTION WELLS							
54	CrimSouth	9/29/00	13:25	PCS-134	YES	YES	YES
550	Daniels Ranch - Alabama St	11/4/00	10:35	PCS-164	YES	YES	YES
550	Daniels Ranch - Alabama St (Dup)	11/4/00	10:40	PCS-165	YES	YES	YES
562	Gladysta Well Water Co	10/23/00	11:00	PCS-156	YES	YES	YES
41	Harold Daniels (Fairview)	10/16/00	12:55	PCS-148	YES	YES	YES
80	Kansas St Water Co	10/31/01	13:55	PCS-161	YES	YES	YES
53	Kinv (CrimNorth)	10/2/00	16:20	PCS-137	YES	YES	YES
39	Langford Ranches Alabama St	9/29/00	12:25	PCS-133	YES	YES	YES
40	Langford Ranches Nevada St	10/2/00	16:50	PCS-138	YES	YES	YES
66	Lugo Water Co - K03	10/19/00	12:00	PCS-152	YES	YES	YES
43	Marigold Farms - Barton	10/19/00	13:45	PCS-154	YES	YES	YES
556	Marigold Farms - Calif Str.	10/23/00	10:00	PCS-155	YES	YES	YES
42	Marigold Farms - Acquil	10/19/00	13:10	PCS-153	YES	YES	YES
548	Marshburn #H05	10/5/00	16:55	PCS-143	YES	YES	YES
48	Mission Mutual	10/23/00	14:40	PCS-158	YES	YES	YES
575	Mentone/Old Well #1	10/26/00	9:55	PCS-160	YES	YES	YES
37	New England Water Co - L04	10/23/00	13:50	PCS-157	YES	YES	YES
592	Old Town Well Co - K03Z	10/5/00	12:00	PCS-140	YES	YES	YES
90	Pharoah Powell	10/5/00	9:45	PCS-139	YES	YES	YES
57	Stowe Water Co (New)	11/9/00	13:15	PCS-167	YES	YES	YES
36	Tennessee Mutual (West)	9/29/00	14:45	PCS-135	YES	YES	YES
561	Valdepena Acres Almond	11/2/00	14:55	PCS-163	YES	YES	YES
2935	Victoria 7th Day Adventist	10/5/00	16:40	PCS-142	YES	YES	YES
30	Weather Wax	9/29/00	10:30	PCS-132	YES	YES	YES
Norton Air Force Base Monitoring Wells							
2375	MW-205 (Replaces MW-20)	10/13/00	12:40	PCS-145	YES	YES	YES
2375	MW-205 (Duplicate)	10/13/00	12:45	PCS-146	YES	YES	YES
2399	MW-229	9/25/00	14:32	PCS-127	YES	YES	YES
2409	MW-238 (Replaces MW-134)	10/13/00	11:50	PCS-144	YES	YES	YES
2429	MW-256	9/26/00	9:45	PCS-128	YES	YES	YES
2459	MW-283	9/26/00	11:20	PCS-129	YES	YES	YES
2459	MW-283 (Duplicate)	9/26/00	11:23	PCS-130	YES	YES	YES
2613	MW-305	9/25/00	12:30	PCS-125	YES	YES	YES
2615	MW-307	9/8/00	9:20	PCS-30	YES	YES	YES
2615	MW-307 (Duplicate)	9/8/00	9:22	PCS-31	YES	YES	YES
2619	MW-311	9/8/00	12:35	PCS-33	YES	YES	YES
2631	MW-327	9/8/00	10:30	PCS-32	YES	YES	YES
Norton Air Force Base Multiport Monitoring Wells							
2577	MLW-1, Zone 1 (395)	9/18/00	13:25	PCS-88	YES	YES	YES
2578	MLW-1, Zone 2 (335)	9/18/00	14:00	PCS-89	YES	YES	YES
2580	MLW-1, Zone 3 (255)	9/18/00	14:33	PCS-90	YES	YES	YES
2579	MLW-1, Zone 4 (161)	9/18/00	14:55	PCS-91	YES	YES	YES
2583	MLW-2, Zone 1 (420)	9/19/00	10:25	PCS-92	YES	YES	YES
2582	MLW-2, Zone 2 (319)	9/19/00	11:20	PCS-93	YES	YES	YES
2581	MLW-2, Zone 3 (225)	9/19/00	11:48	PCS-94	YES	YES	YES
2584	MLW-2, Zone 4 (165)	9/19/00	12:10	PCS-95	YES	YES	YES
2633	MLW-3, Zone 1 (585)	9/19/00	14:25	PCS-96	YES	YES	YES
2632	MLW-3, Zone 2 (451)	9/19/00	15:05	PCS-97	YES	YES	YES
2266	MLW-3, Zone 3 (352)	9/19/00	15:38	PCS-98	YES	YES	YES
2266	MLW-3, Zone 3 (352) Duplicate	9/19/00	15:41	PCS-99	YES	YES	YES
2638	MLW-3, Zone 4 (266)	9/6/00	13:35	PCS-27	YES	YES	YES
2637	MLW-3, Zone 5 (187)	9/6/00	14:25	PCS-28	YES	YES	YES
2636	MLW-3, Zone 6 (131)	9/22/00	11:55	PCS-124	YES	YES	YES
2586	MLW-4, Zone 1 (395)	9/20/00	13:15	PCS-103	YES	YES	YES
2585	MLW-4, Zone 2 (311)	9/20/00	12:18	PCS-102	YES	YES	YES
2587	MLW-4, Zone 3 (225)	9/20/00	11:15	PCS-101	YES	YES	YES
2588	MLW-4, Zone 4 (126)	9/20/00	9:56	PCS-100	YES	YES	YES

TABLE 1
 COMPREHENSIVE SAMPLING PROGRAM
 SAMPLE IDENTIFICATIONS

Well Number	Well Name	Sample Date	Sample Time	Sample Number Identification	Analyzed for VOCs	Analyzed for Perchlorate	Analyzed for Arsenic
ACTIVE PURVEYOR WELLS							
2591	MLW-5, Zone 1 (685)	9/21/01	9:08	PCS-110	YES	YES	YES
2590	MLW-5, Zone 2 (575)	9/21/00	7:58	PCS-107	YES	YES	YES
2590	MLW-5, Zone 2 (575) Duplicate	9/21/00	8:02	PCS-108	YES	YES	YES
2592	MLW-5, Zone 3 (495)	9/20/00	16:40	PCS-106	YES	YES	YES
2593	MLW-5, Zone 4 (385)	9/6/00	15:45	PCS-29	YES	YES	YES
2589	MLW-5, Zone 5 (285)	9/20/00	15:36	PCS-105	YES	YES	YES
2594	MLW-5, Zone 6 (156)	9/20/00	15:00	PCS-104	YES	YES	YES
2604	MLW-7, Zone 5 (231)	9/6/00	10:50	PCS-26	YES	YES	YES
2960	MLW-9, Zone 1 (471)	9/22/00	10:30	PCS-123	YES	YES	YES
2959	MLW-9, Zone 2 (397)	9/22/00	9:45	PCS-122	YES	YES	YES
2958	MLW-9, Zone 3 (334)	9/22/00	9:05	PCS-121	YES	YES	YES
2957	MLW-9, Zone 4 (251)	9/22/00	8:32	PCS-119	YES	YES	YES
2957	MLW-9, Zone 4 (251) Duplicate	9/22/00	8:35	PCS-120	YES	YES	YES
2956	MLW-9, Zone 5 (199)	9/22/00	8:02	PCS-118	YES	YES	YES
2955	MLW-9, Zone 6 (136)	9/22/00	7:42	PCS-117	YES	YES	YES
2966	MLW-10, Zone 1 (470)	9/21/00	14:55	PCS-116	YES	YES	YES
2965	MLW-10, Zone 2 (393)	9/21/00	12:40	PCS-115	YES	YES	YES
2964	MLW-10, Zone 3 (350)	9/21/00	11:55	PCS-114	YES	YES	YES
2963	MLW-10, Zone 4 (247)	9/21/00	11:10	PCS-113	YES	YES	YES
2962	MLW-10, Zone 5 (194)	9/21/00	10:30	PCS-112	YES	YES	YES
2961	MLW-10, Zone 6 (127)	9/21/00	10:10	PCS-111	YES	YES	YES
Lockheed Martin Multipoint Monitoring Wells							
2720	LMW-1, Port 1 (120)	9/13/00	10:08	PCS-41	YES	YES	YES
2720	LMW-1, Port 1 (120) Duplicate	9/13/00	10:10	PCS-42	YES	YES	YES
2721	LMW-1, Port 2 (170)	9/13/00	10:40	PCS-44	YES	YES	YES
2722	LMW-1, Port 3 (220)	9/13/00	11:00	PCS-45	YES	YES	YES
2723	LMW-1, Port 4 (285)	9/13/00	11:20	PCS-46	YES	YES	YES
2724	LMW-1, Port 5 (340)	9/13/00	11:45	PCS-47	YES	YES	YES
2725	LMW-1, Port 6 (410)	9/13/00	12:10	PCS-48	YES	YES	YES
2726	LMW-1, Port 7 (480)	9/13/00	12:35	PCS-49	YES	YES	YES
2727	LMW-1, Port 8 (530)	9/13/00	13:00	PCS-50	YES	YES	YES
2728	LMW-1, Port 9 (610)	9/13/00	13:25	PCS-51	YES	YES	YES
2729	LMW-1, Port 10 (700)	9/13/00	13:50	PCS-52	YES	YES	YES
2730	LMW-2, Port 1 (125)	9/14/00	10:15	PCS-61	YES	YES	YES
2731	LMW-2, Port 2 (180)	9/14/00	10:33	PCS-62	YES	YES	YES
2732	LMW-2, Port 3 (215)	9/14/00	10:52	PCS-63	YES	YES	YES
2733	LMW-2, Port 4 (280)	9/14/00	12:35	PCS-64	YES	YES	YES
2733	LMW-2, Port 4 (280) Duplicate	9/14/00	12:50	PCS-65	YES	YES	YES
2734	LMW-2, Port 5 (350)	9/14/00	13:12	PCS-66	YES	YES	YES
2735	LMW-2, Port 6 (395)	9/14/00	15:50	PCS-70	YES	YES	YES
2736	LMW-2, Port 7 (485)	9/14/00	16:10	PCS-71	YES	YES	YES
2737	LMW-2, Port 8 (555)	9/14/00	16:30	PCS-72	YES	YES	YES
2738	LMW-2, Port 9 (595)	9/14/00	16:52	PCS-73	YES	YES	YES
2981	LMW-3, Port 1 (155)	9/15/00	11:10	PCS-75	YES	YES	YES
2982	LMW-3, Port 2 (230)	9/15/00	11:28	PCS-76	YES	YES	YES
2982	LMW-3, Port 2 (230) Duplicate	9/15/00	11:32	PCS-77	YES	YES	YES
2983	LMW-3, Port 3 (300)	9/15/00	12:17	PCS-80	YES	YES	YES
2984	LMW-3, Port 4 (355)	9/15/00	12:37	PCS-81	YES	YES	YES
2985	LMW-3, Port 5 (440)	9/15/00	12:55	PCS-82	YES	YES	YES
2986	LMW-3, Port 6 (495)	9/15/00	13:15	PCS-83	YES	YES	YES
2987	LMW-3, Port 7 (585)	9/15/00	13:40	PCS-84	YES	YES	YES
2988	LMW-3, Port 8 (640)	9/15/00	14:00	PCS-85	YES	YES	YES
2990	LMW-6, Port 1 (175)	9/13/00	16:00	PCS-53	YES	YES	YES
2990	LMW-6, Port 1 (175) Duplicate	9/13/00	16:04	PCS-54	YES	YES	YES
2991	LMW-6, Port 2 (230)	9/13/00	16:45	PCS-57	YES	YES	YES
2992	LMW-6, Port 3 (300)	9/13/00	17:10	PCS-58	YES	YES	YES
2993	LMW-6, Port 4 (385)	9/13/00	17:30	PCS-59	YES	YES	YES
2994	LMW-6, Port 5 (545)	9/15/00	15:00	PCS-86	YES	YES	YES
2995	LMW-6, Port 6 (625)	9/15/00	15:18	PCS-87	YES	YES	YES
2997	LMW-7, Port 1 (105)	9/12/00	13:10	PCS-34	YES	YES	YES
2998	LMW-7, Port 2 (260)	9/12/00	13:40	PCS-35	YES	YES	YES
2999	LMW-7, Port 3 (355)	9/12/00	14:10	PCS-36	YES	YES	YES
3000	LMW-7, Port 4 (425)	9/12/00	15:50	PCS-37	YES	YES	YES
3001	LMW-7, Port 5 (515)	9/12/00	16:15	PCS-38	YES	YES	YES
3002	LMW-7, Port 6 (600)	9/12/00	16:45	PCS-39	YES	YES	YES
3003	LMW-7, Port 7 (670)	9/12/00	17:10	PCS-40	YES	YES	YES
Lockheed Martin Piezometers							
3086	LMP-1	10/17/00	9:25	PCS-149	YES	YES	YES
3087	LMP-2	10/13/00	16:15	PCS-147	YES	YES	YES
3089	LMP-3	10/17/00	15:00	PCS-150	YES	YES	YES
3089	LMP-3 (Duplicate)	10/17/00	15:05	PCS-151	YES	YES	YES
3089	LMP-3 (Resample)	11/13/00	18:10	PCS-168	YES	YES	YES
3089	LMP-3 (Resample, Duplicate)	11/13/00	18:15	PCS-169	YES	YES	YES
City of Redlands Landfill Well							
2566	COR Landfill B-4B	11/9/00	10:40	PCS-166	YES	YES	YES

TABLE 2
 COMPREHENSIVE SAMPLING PROGRAM
 ANALYTICAL RESULTS

Well Number	Well Name	Analytical Method	TCE Result	PCE Result	cis-1,2-DCE	1,1-DCE	DBCP	Toluene	Xylenes	BDCM	Bromoform	Chloroform	DBCH	Methylene	Analytical Method	Perchlorate Result	Analytical Method	Arsenic Result	
9	COR Agate #2	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	NA	
9	COR Agate #2 (Duplicate)	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	NA	NA	
14	COR Madeira	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6040B	NA	
Other Water Supply Wells																			
3017	San Bernardino Century	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.008	
3174	V. A. Hospital	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	ND (0.0050 mg/l)	
PURVEYOR WATER SYSTEM SAMPLING POINTS																			
City of Loma Linda Water System Sampling Points																			
2967	Mountain View Blend - Lawton	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0092	
2968	Richardson Blend	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
City of Riverside Water System Sampling Points																			
2946	Iowa Booster (Waterman)	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2947	Gage Delivery (Gage)	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.66	ND (0.5)	0.56	ND (1.0)	EPA 300.0 Modified	9.5	EPA 6010B	ND (0.0050 mg/l)	
2947	Gage Delivery (Gage) Duplicate	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (1.0)	EPA 300.0 Modified	9.6	EPA 6010B	0.007	
2948	7th & Chicago (Reservoir)	EPA 502.2	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9	ND (0.5)	0.63	ND (1.0)	EPA 300.0 Modified	5.6	EPA 6010B	ND (0.0050 mg/l)	
3018	Gage Arlington	EPA 502.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	EPA 300.0 Modified	9.2	EPA 6010B	ND (0.0050 mg/l)	
ACTIVE AGRICULTURAL PRODUCTION WELLS																			
54	CrimSouth	EPA 601/602	1.8	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	11	EPA 6010B	ND (0.0050 mg/l)	
550	Daniels Ranch - Alabama St	EPA 601/602	11	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	72	EPA 6010B	ND (0.0050 mg/l)	
550	Daniels Ranch - Alabama St (Dup)	EPA 601/602	12	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	71	EPA 6010B	0.0056	
562	Gladysta Well Water Co	EPA 601/602	2.3	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	20	EPA 6010B	0.0055	
41	Harold Daniels (Fairview)	EPA 601/602	17	ND (0.5)	ND (0.5)	0.55	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	74	EPA 6010B	ND (0.0050 mg/l)	
80	Kansas St Water Co	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	12	EPA 6010B	ND (0.0050 mg/l)	
53	Kinv (CrimNorth)	EPA 601/602	7.6	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	34	EPA 6010B	0.0055	
39	Langford Ranches Alabama St	EPA 601/602	5.6	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	59	EPA 6010B	ND (0.0050 mg/l)	
40	Langford Ranches Nevada St	EPA 601/602	6.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	52	EPA 6010B	ND (0.0050 mg/l)	
66	Lugo Water Co - K03	EPA 601/602	9.6	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	9.8	EPA 6010B	ND (0.0050 mg/l)	
43	Margold Farms - Barton	EPA 601/602	0.78	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	9.9	EPA 6010B	ND (0.0050 mg/l)	
556	Margold Farms - Calif Str.	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	10	EPA 6010B	ND (0.0050 mg/l)	
42	Margold Farms - Acqui	EPA 601/602	9.2	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	52	EPA 6010B	ND (0.0050 mg/l)	
548	Marshburn #H05	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	8.8	EPA 6010B	ND (0.0050 mg/l)	
48	Mission Mutual	EPA 601/602	1.6	0.59	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	11	EPA 6010B	0.0052	
575	Mentone/Old Well #1	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	5.3	EPA 6010B	0.006	
37	New England Water Co - L04	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	28	EPA 6010B	ND (0.0050 mg/l)	
592	Old Town Well Co - K03Z	EPA 601/602	1.8	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	17	EPA 6010B	ND (0.0050 mg/l)	
90	Pharaoh Powell	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
57	Stowe Water Co (New)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	9.8	EPA 6010B	0.0084	
36	Tennessee Mutual (West)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	10	EPA 6010B	ND (0.0050 mg/l)	
561	Vadepene Acres Almond	EPA 601/602	3.8	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	16	EPA 6010B	ND (0.0050 mg/l)	
2935	Victoria 7th Day Adventist	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	8.6	EPA 6010B	ND (0.0050 mg/l)	
30	Weather Wax	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	73	EPA 6010B	ND (0.0050 mg/l)	
Norton Air Force Base Monitoring Wells																			
2375	MW-205 (Replaces MW-20)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2375	MW-205 (Duplicate)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2399	MW-229	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2409	MW-238 (Replaces MW-134)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2429	MW-256	EPA 601/602	ND (0.5)	0.97	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	10	EPA 6010B	0.011	
2459	MW-283	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	10	EPA 6010B	0.01	
2459	MW-283 (Duplicate)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	10	EPA 6010B	ND (0.0050 mg/l)	
2613	MW-305	EPA 601/602	15	ND (0.5)	1.2	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0086	
2615	MW-307	EPA 601/602	4.5	ND (0.5)	1.4	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.008	
2615	MW-307 (Duplicate)	EPA 601/602	5.2	ND (0.5)	1.1	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)	
2619	MW-311	EPA 601/602	31	ND (1.0)	1.1	ND (1.0)	NA	ND (1.0)	ND (3.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (10)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0059	
2631	MW-327	EPA 601/602	13	ND (0.5)	0.87	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.008	
Norton Air Force Base Multiport Monitoring Wells																			
2577	MLW-1, Zone 1 (395)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	3.3	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	12	EPA 6010B	ND (0.0050 mg/l)	
2578	MLW-1, Zone 2 (335)	EPA 601/602	0.66	ND (0.5)	ND (0.5)	ND (0.5)	NA	2.5	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	11	EPA 6010B	ND (0.0050 mg/l)	
2580	MLW-1, Zone 3 (255)	EPA 601/602	1.1	ND (0.5)	ND (0.5)	ND (0.5)	NA	1.1	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	33	EPA 6010B	ND (0.0050 mg/l)	
2579	MLW-1, Zone 4 (181)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0072	
2583	MLW-2, Zone 1 (420)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	3.0	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.014	
2582	MLW-2, Zone 2 (319)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	3.2	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	9.1	EPA 6010B	ND (0.0050 mg/l)	
2581	MLW-2, Zone 3 (22																		

TABLE 2
 COMPREHENSIVE SAMPLING PROGRAM
 ANALYTICAL RESULTS

Well Number	Well Name	Analytical Method	TCE Result	PCE Result	cis-1,2-DCE	1,1-DCE	DCEP	Toluene	Xylenes	BDCM	Bromofom	Chlorofom	DCEM	Methylene	Analytical Method	Perchlorate Result	Analytical Method	Arsenic Result
2286	MLW-3, Zone 3 (352) Duplicate	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	1.0	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	4.7	EPA 6010B	ND (0.0050 mg/l)
2636	MLW-3, Zone 4 (268)	EPA 601/602	2.4	ND (0.5)	0.71	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	ND (0.0050 mg/l)
2637	MLW-3, Zone 5 (187)	EPA 601/602	0.78	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.011
2636	MLW-3, Zone 6 (131)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2586	MLW-4, Zone 1 (395)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	2.4	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2585	MLW-4, Zone 2 (311)	EPA 601/602	1.1	ND (0.5)	0.66	ND (0.5)	NA	2.4	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.042
2587	MLW-4, Zone 3 (225)	EPA 601/602	0.57	ND (0.5)	ND (0.5)	ND (0.5)	NA	0.62	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	28	EPA 6010B	0.0081
2588	MLW-4, Zone 4 (126)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0077
2591	MLW-5, Zone 1 (685)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	6.4	EPA 6010B	ND (0.0050 mg/l)
2590	MLW-5, Zone 2 (575)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2590	MLW-5, Zone 2 (575) Duplicate	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2592	MLW-5, Zone 3 (495)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	0.53	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0078
2593	MLW-5, Zone 4 (385)	EPA 601/602	3.1	ND (0.5)	2.1	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	15	EPA 6010B	ND (0.0050 mg/l)
2589	MLW-5, Zone 5 (285)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2594	MLW-5, Zone 6 (156)	EPA 601/602	1.3	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.019
2604	MLW-7, Zone 5 (231)	EPA 601/602	3.3	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.007
2960	MLW-9, Zone 1 (471)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	ND (0.0050 mg/l)
2959	MLW-9, Zone 2 (397)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	0.0087
2958	MLW-9, Zone 3 (334)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	0.0087
2957	MLW-9, Zone 4 (251)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	13	EPA 6010B	0.0084
2957	MLW-9, Zone 4 (251) Duplicate	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	13	EPA 6010B	0.0092
2956	MLW-9, Zone 5 (199)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	9.9	EPA 6010B	0.008
2955	MLW-9, Zone 6 (136)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
2966	MLW-10, Zone 1 (470)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.5	EPA 6010B	ND (0.0050 mg/l)
2965	MLW-10, Zone 2 (393)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.6	EPA 6010B	0.0066
2964	MLW-10, Zone 3 (350)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.7	EPA 6010B	0.0053
2963	MLW-10, Zone 4 (247)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.8	EPA 6010B	0.0094
2962	MLW-10, Zone 5 (194)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.2	EPA 6010B	0.0077
2961	MLW-10, Zone 6 (127)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
Lockheed Martin Multipoint Monitoring Wells																		
2720	LMW-1, Port 1 (120)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.0068
2720	LMW-1, Port 1 (120) Duplicate	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	ND (0.0050 mg/l)
2721	LMW-1, Port 2 (170)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.0094
2722	LMW-1, Port 3 (220)	EPA 601/602	21	ND (0.5)	1.8	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.0073
2723	LMW-1, Port 4 (285)	EPA 601/602	27	ND (0.5)	2.6	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.01
2724	LMW-1, Port 5 (340)	EPA 601/602	3.8	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.0054
2725	LMW-1, Port 6 (410)	EPA 601/602	1.4	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND	EPA 6010B	0.011
2726	LMW-1, Port 7 (480)	EPA 601/602	18	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	87	EPA 6010B	ND (0.0050 mg/l)
2727	LMW-1, Port 8 (530)	EPA 601/602	12	ND (0.5)	ND (0.5)	0.59	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	80	EPA 6010B	ND (0.0050 mg/l)
2728	LMW-1, Port 9 (610)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.4	EPA 6010B	0.0073
2729	LMW-1, Port 10 (700)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	6.2	EPA 6010B	ND (0.0050 mg/l)
2730	LMW-2, Port 1 (125)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (80)	EPA 6010B	0.0058
2731	LMW-2, Port 2 (180)	EPA 601/602	3.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	60	EPA 6010B	0.0059
2732	LMW-2, Port 3 (215)	EPA 601/602	6.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	69	EPA 6010B	ND (0.0050 mg/l)
2733	LMW-2, Port 4 (280)	EPA 601/602	5.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	42	EPA 6010B	ND (0.0050 mg/l)
2733	LMW-2, Port 4 (280) Duplicate	EPA 601/602	5.8	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	43	EPA 6010B	ND (0.0050 mg/l)
2734	LMW-2, Port 5 (350)	EPA 601/602	7.1	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	54	EPA 6010B	ND (0.0050 mg/l)
2735	LMW-2, Port 6 (395)	EPA 601/602	6.5	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	52	EPA 6010B	0.0055
2736	LMW-2, Port 7 (485)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	4.9	EPA 6010B	ND (0.0050 mg/l)
2737	LMW-2, Port 8 (555)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	4.6	EPA 6010B	0.011
2738	LMW-2, Port 9 (595)	EPA 601/602	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (40)	EPA 6010B	0.0072
2981	LMW-3, Port 1 (155)	EPA 601/602	ND (0.5)	0.58	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	3.0	EPA 6010B	0.011
2982	LMW-3, Port 2 (230)	EPA 601/602	3.2	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	48	EPA 6010B	0.0074
2982	LMW-3, Port 2 (230) Duplicate	EPA 601/602	2.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	46	EPA 6010B	0.01
2983	LMW-3, Port 3 (300)	EPA 601/602	2.1	ND (0.5)	ND (0													

TABLE 2
 COMPREHENSIVE SAMPLING PROGRAM
 ANALYTICAL RESULTS

Well Number	Well Name	Analytical Method	TCE Result	PCE Result	cis-1,2-DCE	1,1-DCE	DSCP	Toluene	Xylenes	BDCM	Bromoform	Chloroform	DBCM	Methylenes	Analytical Method	Perchlorate Result	Analytical Method	Arsenic Result
2985	LMW-6, Port 6 (625)	EPA 801/802	1.4	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	33	EPA 6010B	ND (0.0050 mg/l)
2987	LMW-7, Port 1 (105)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	14	EPA 6010B	0.0075
2988	LMW-7, Port 2 (260)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	12	EPA 6010B	ND (0.0050 mg/l)
2989	LMW-7, Port 3 (355)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.8	EPA 6010B	ND (0.0050 mg/l)
3000	LMW-7, Port 4 (425)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	17	EPA 6010B	ND (0.0050 mg/l)
3001	LMW-7, Port 5 (515)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
3002	LMW-7, Port 6 (600)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0062
3003	LMW-7, Port 7 (670)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
Lockheed Martin Piezometers																		
3086	LMP-1	EPA 801/802	6.9	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	6.3	EPA 6010B	ND (0.0050 mg/l)
3087	LMP-2	EPA 801/802	10	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	72	EPA 6010B	ND (0.0050 mg/l)
3089	LMP-3	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
3089	LMP-3 (Duplicate)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
3089	LMP-3 (Resample)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	ND (0.0050 mg/l)
3089	LMP-3 (Duplicate)	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	ND (4.0)	EPA 6010B	0.0091
City of Rocklands Landfill Well																		
2566	COR Landfill B-4B	EPA 801/802	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (1.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5.0)	EPA 300.0 Modified	7.3	EPA 6010B	0.015

TABLE 3
COMPREHENSIVE SAMPLING PROGRAM
GENERAL MINERALS AND ISOTOPES

Analyte	Method	Units	PCS-150	PCS-151	PCS-168	PCS-169
			Results	Results	Results	Results
Calcium	EPA 200.7	mg/l	1.2	1.5	2.5	2.4
Copper	EPA 200.7	mg/l	0.011	ND (0.010)	ND (0.010)	ND (0.010)
Iron	EPA 200.7	mg/l	0.16	0.24	0.32	0.31
Magnesium	EPA 200.7	mg/l	0.038	0.046	0.079	0.073
Manganese	EPA 200.7	mg/l	ND (0.20)	ND (0.020)	ND (0.020)	ND (0.020)
Sodium	EPA 200.7	mg/l	96	91	79	77
Zinc	EPA 200.7	mg/l	0.026	0.069	ND (0.020)	ND (0.020)
Bicarbonate Alkalinity as CaCO ₃	SM2320B	mg/l	ND (2.0)	ND (2.0)	56	50
Carbonate Alkalinity as CaCO ₃	SM2320B	mg/l	88	120	32	28
Hydroxide Alkalinity as CaCO ₃	SM2320B	mg/l	84	48	ND (2.0)	ND (2.0)
Chloride	EPA 300.0	mg/l	47	42	35	35
Hardness (as CaCO ₃)	SM2340B	mg/l	3.2	4	6.4	6.3
Sulfate	EPA 300.0	mg/l	26	26	41	42
Surfactants (MBAS)	SM5540-C	mg/l	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Total Dissolved Solids	SM2540C	mg/l	580	600	270	270
pH	EPA 150.1	pH units	11	11	9.3	9.3
Specific Conductance	SM2510B	umhos/cm	650	650	430	430
Isotopes						
Tritium		Tritium Unit	0.5+/-2.6	-1.7+/-2.6	-5.5+/-2.6	-5.7+/-2.6
O-18		per mil	-8.3	-8.4	-8.9	-8.9
Deuterium		per mil	-58	-58	-62	-61

FIGURES



June 11, 2001

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the Water Supply Contingency Plan, enclosed you will find one copy of the *Sampling of Existing Wells, Comprehensive Sampling Program, Crafton-Redlands Plume Project*, dated May 21, 2001. This report was prepared by Earth Tech for Lockheed Martin Corporation, and provides data from the required biennial sampling event to update the TCE and perchlorate plumes.

Should you have any questions or comments, please contact me at 303-971-1880.

Sincerely,

Stephen Evanoff
Director, Redlands Project

c: See Distribution List

Attachment (1)

Mr. Gerard J. Thibeault
June 11, 2001.
Page 2

Distribution List

Kim Alexander, Psomas Engineering
Chris Bahnsen, San Bernardino Valley Water Conservation District
Kalyanpur Baliga, Department of Health Services (San Bernardino)
Mary Bridgewater, Department of the Air Force, AFBCA
W. William Bryden, City of San Bernardino
Tom Crowley, San Bernardino Valley Water Conservation District
Dodie Farmer, Victoria Farms Mutual Water Company
Douglas Headrick, City of Redlands
Ross Lewis, Gage Canal Company
Steve Mains, Western Municipal Water District
Morris Matson, Loma Linda University
Kevin Mayer, US EPA (Region IX)
Eugene McMeans, Riverside Highland Water Company
Zahra Panahi, City of Riverside
Dan Randall, City of Riverside
Bob Reiter, San Bernardino Valley Municipal Water District
Steve Williams, Department of Health Services (San Diego)
Alain Sharp, Earth Technology Corporation
Greg Snyder, City of Loma Linda
Glen Thomas, Mountain View Power Company
Dieter Wirtzfeld, City of Riverside

Mr. Gerard J. Thibeault
June 11, 2001,
Page 3

bc: Gallop, Johnson & Neuman
101 S. Hanley Road
St. Louis, MO 63105
Attn: Michael Re

Highland Supply Corporation
111 Sixth Street
Highland, IL 62249
Attn: Donald E. Weder

Seven W Enterprises, Inc.
1500 Crafton Avenue
P.O. Box 111
Redlands, CA 92373-1730
Attn: Janet M. Weder

Mr. Gerard J. Thibeault
June 11, 2001
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bc with report:

Gene Matsushita, LMC (Burbank) (2 copies)
Bob Simpson, LMC (Riverside)
Matt Werner, Earth Tech (Long Beach)
John Wiggin, LMC (Denver)

bc without report:

Ian Hutchison, TRC (Irvine)
Doug Goins, LMC-Legal (Denver)
Gail Rymer, LMC-Communications (Bethesda)

RED Chron File – RED0601/031
WBS #48
Redlands Repository
Reg file

ATTACHMENT A
FIELD SAMPLE FORMS
(Available Upon Request)

ATTACHMENT B

**CHAIN-OF-CUSTODY RECORDS AND
LABORATORY DATA SHEETS AND LEVEL III MODIFIED
QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION
(Available Upon Request)**